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29 July 1963
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MEMORANDUM FOR: Chief, Military-Economics Division, ORR

ATTENTION:

FROM: Chief, CIA/PID (HPIC)

SUBJECT: Analysis of all Type IIc ICBM Launch Areas, USSR

REFERENCE: (a) Requirement C-RR-3-80,331
(b) PID/CIA Project C 913/63

1. This memorandum is in answer to your requirement dated 28 June 1963. Included are line drawings of the 22 launch areas in question, a brief description of the launch areas, and a tabulation of the launch areas showing negation date, when it was first seen, most recent coverage of the area, and the construction status at the time of the most recent observation. The azimuth of the launch site is accurate to ± 5 degrees. Dimensions given are ± 10 percent accurate.

2. Tabulation of launch areas:

Complex	Site	Construction Status	Azimuth $\pm 5^\circ$
Drovyanaya	C	Mid	20°
	D	Early	20°
Kostroma	F	Early	295°
	G	Early	295°
Novosibirsk	D	Early	5°
Perm	D	Late	315°
	E	Early	315°
Svobodnyy	D	Mid	30°
	E	Early	30°
Teykovo	D	Early	295°
	E	Mid	295°
Verkhnaya	H	Mid	350°
Salda	I	Mid	350°
Yedrovo	C	Mid	290°
	D	Late	290°
	E	Mid	290°
	G	Early	290°
Yoshkar-Ola	E	Early	35°
	F	Mid	35°
Yur'ya	H	Late	340°
	I	Early	340°
	J	Early	340°

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25X1 a. Novosibirsk G This launch area, Figure 1, was first identified on [redacted] in an early to mid stage of construction. At this time there were 6 large and 17 smaller barracks-type buildings in the support area. Within the launch site itself there are four buildings. Two canted buildings measuring 30 x 90 feet are near the left pad. A 35 x 100 foot building is between the two pads on the central access road. Another building measuring [redacted] is located in the area of the right ready building. Clearings are present for the right pair of canted buildings and the ready buildings. Evidence of security is not visible at this time.

25X1 b. Brownsburg D This launch area, Figure 2, was first seen on [redacted] in an early stage of construction. The 17 buildings in the support area are of the barracks type. A single building measuring 30 x 90 feet is visible in the launch site on the central access road between the two probable pads. There is no evidence of security at this time. Clearings are present for the two pair of canted buildings and ready buildings.

25X1 c. Kostroma F This launch area, Figure 3, was first identified on [redacted] in an early stage of construction. Poor quality photography precludes an accurate interpretation of this site. There were 6 barracks-type buildings in the probable support area at this time. There is no evidence of security.

25X1 d. Kostroma G This launch area, Figure 4, was first seen on [redacted] in an early stage of construction. Intensive ground scoring only indicates a general layout of this installation. Neither buildings nor security are evident at this time.

25X1 e. Novosibirsk D This launch area, Figure 5, was first seen on [redacted] in an early stage of construction. Construction status and poor photography precludes an accurate interpretation of this site. Nine barracks-type buildings are present in the probable support area on [redacted] Launch site details are indistinct at this time.

25X1 f. Ram D This launch area, Figure 6, has only been seen on [redacted] in a mid to late stage of construction. There are 21 barracks-type buildings in the support area. Within the double security of the launch site are 4 canted buildings 30 x 90 feet, 2 buildings along the central access road measuring 60 x 90 feet and 45 x 90 feet, and a building in the right-hand ready building area measuring 110 x 160 feet. No buildings are visible in the left ready building cleared area at this time.

25X1 g. Ram F This launch area, Figure 7, has only been seen on [redacted] in an early stage of construction. The main support area contains 7 barracks-type buildings with 2 other barracks-type buildings between the support area and the launch site. Only the clearings for the

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canted and ready buildings are visible at the launch site. There is no firm evidence of security at this time.

h. Svobodnyy D This launch area, Figure 8, was first identified on [redacted] in an early stage of construction. There are 11 large and 7 smaller barracks-type buildings in the main support area. South of the main support area are 3 large and 1 small barracks-type buildings. At the launch site on [redacted] 1 canted building, 30 x 90 feet, is visible at the right-hand pad. Clearings are present for the other canted buildings and ready buildings. There is no distinct evidence of security as of [redacted]

i. Svobodnyy E This launch area, Figure 9, has only been seen on [redacted] in an early stage of construction. Due to cloud cover, only 4 barracks-type buildings are visible in the support area. Within the secured launch site H is a canted building measuring 30 x 90 feet at the left-hand pad, 2 buildings 35 x 100 feet along the main access road, 2 buildings measuring 25 x 175 feet and 35 x 150 feet in the left-hand ready building area, and one building measuring 50 x 175 feet in the right-hand ready building area. Clearings are present for the 3 additional canted buildings.

j. Teykovo D This launch area, Figure 10, has only been seen on [redacted] in an early stage of construction. Because of poor quality photography and the construction status, it is impossible to interpret this site accurately. Neither security nor buildings are visible at this site.

k. Tekovo E This launch area, Figure 11, was first identified on [redacted] in a mid stage of construction. Three large and 1 small barracks-type buildings are visible in the cloud-free portion of the support area. The left-hand launch pad was also cloud covered. One canted building 30 x 90 feet and a clearing for the second is visible at this right-hand launch pad. Two buildings, [redacted] are placed along the central access road. A building [redacted] is present in each of the ready building areas. No security is visible at this time.

l. Vandaryaya Salda H This launch area, Figure 12, was first identified on [redacted] in an early stage of construction. The incomplete support section contains 4 large and 9 smaller barracks-type buildings as seen on [redacted]. Within the secured launch site are 3 canted buildings 30 x 90 feet. Two structures 35 x 110 feet are positioned along the central access road. A building 30 x 85 feet is in the left-hand ready building area. Situated approximately 1150 feet to the rear of the right pad is a [redacted] building. Clearings are present for the right-hand ready building and the fourth canted building.

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m. Vorkunyaya Solda I This launch area, Figure 13, was first seen on [redacted] in an early to mid stage of construction. Six large and 14 smaller barracks-type buildings are present on [redacted] in the support area. A canted building 30 x 90 feet is present at each of the pads within the secured launch site. Two buildings measuring 35 x 125 feet and 35 x 85 feet are located along the central axis of the launch site. A building [redacted] is located in the left-hand ready building area. Two buildings measuring 45 x 45 feet and 40 x 110 feet are located 1350 feet to the rear of the pads. These buildings probably serve as the right-hand ready buildings.

n. Yedrovo C This launch area, Figure 14, was first seen on [redacted] in an early stage of construction. As of [redacted] there were 6 barracks-type buildings in the main support area. Immediately to the rear of the launch site are 6 additional barracks-type buildings. Along the central axis of the launch site are 2 buildings measuring 40 x 120 feet. Two canted buildings 30 x 90 feet are present at the left-hand pad. A building 60 x 120 feet is in the right-hand ready building area. Clearings are present for the right-hand pair of canted buildings and the left ready building. There is no evidence of security at this time.

o. Yedrovo D This launch area, Figure 15, was first seen on [redacted] in an early stage of construction. On [redacted] there were 10 barracks-type buildings in the support area. Three of the canted buildings measuring 30 x 90 feet are present at the pads in the secured launch site. A clearing is present for the fourth canted building at the left-hand pad. Along the central axis and midway between the 2 launch pads is a building measuring 35 x 110 feet. Three buildings measuring 60 x 210 feet are in the right-hand ready building area. There is no clearing for the left ready building. There are two additional buildings measuring 40 x 150 feet and 50 x 100 feet located along the central axis and to the rear of the 2 pads. An unidentified object measuring approximately 30 x 90 feet is visible on each of the launch pads.

p. Yedrovo E This launch area, Figure 16, was first seen on [redacted] in a mid stage of construction. As of [redacted] there were 11 barracks-type buildings in the main support area. The possible construction camp contains 7 barracks-type buildings and 3 rows of possible equipment or tents. Two buildings measuring 35 x 120 feet are positioned along the central axis of the launch site. One canted building measuring 30 x 90 feet is located at the right-hand pad. Clearings are present for the 3 other canted buildings. A probable building 60 x 150 feet is in the left-hand ready building area. A clearing is present for the right ready building. Security is not visible at this time.

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g. Yadovo G This launch area, Figure 17, was first seen on [redacted] in an early stage of construction. The most recent coverage, [redacted], shows 16 barracks-type buildings in the main support area and 9 barracks-type buildings in a possible construction camp. The launch site appears secured at least on 3 sides. Clearings are present possibly for buildings, but due to the construction status accurate interpretation of the launch site cannot be made at this time.

r. Yoshkar-Ola E This launch area, Figure 18, has only been seen on [redacted] in an early stage of construction. There are 9 large barracks-type buildings in the incomplete support area. One building measuring 35 x 110 feet is located along the central access road of the launch site. Clearings are present for the canted buildings and the left-hand ready building area has been cleared. There is no evidence of security at this time.

s. Yoshkar-Ola F This launch area, Figure 19, was first identified on [redacted] in an early to mid stage of construction. As of [redacted] there were 6 large barracks-type buildings in the support area. Two canted buildings, 30 x 90 feet are present at the left-hand pad and clearings are visible for the right-hand pad. One building measuring 35 x 125 feet is located on the central access road. A structure measuring 40 x 150 feet is located in the left ready building area while only a clearing is present on the right side. Security is not evident at this time.

t. Yuziya H This launch area, Figure 20, was seen on [redacted] in an early stage of construction. As seen on [redacted] the site appears late to complete. The support area contains 6 large and 10 smaller barracks-type buildings. The 2 pairs of canted buildings 30 x 90 feet, are present within the double fenced launch site. An unidentified object measuring 35 x 70 feet appears on each of the launch pads. Two buildings, 40 x 115 feet and 35 x 110 feet appear along the central axis of the launch site. Approximately 1500 feet to the rear of the 2 pads are 2 buildings measuring 35 x 65 feet and 35 x 105 feet. Two buildings, 35 x 170 feet are in the right-hand ready building area. At the left-hand ready building area are 2 buildings measuring 40 x 105 feet and 35 x 80 feet.

u. Yuziya I This launch area, Figure 21, was first seen on [redacted] in an early stage of construction. Numerous clearings have been made for the various components, but no structures can be identified at this time. There is no evidence of security.

v. Yuziya J This launch area, Figure 22, in an early stage of construction, was first seen on [redacted]. There are 40 probable tents on the main access road where the support area will possibly be located.

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Neither security nor buildings are present at this time. Due to the construction status, the pad separation is indefinite.

W. Tyura Tala 23 and 30 [redacted], an addition has been made to the prototype II ICBM launch facility. Launch pad "C2" has 2 coated buildings 30 x 90 feet adjacent to it. Pad "C3" on [redacted] is in an early stage of construction. A single coated building under construction is visible at this pad. Four buildings are present along the central access road measuring 105 x 125 feet, 75 x 90 feet, 90 x 90 feet, and 65 x 110 feet. The security has been altered in order to include launch pad C3.

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3. The photo interpreter on this project has been [redacted] and he may be contacted on [redacted] should you have any further questions regarding this project.

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4. This project is considered to be complete.

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Enclosures:

1 - Line drawings
(Figures 1-25)

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25X1 DROVYANAYA - "C"

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Attachment to:

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SUPPORT AREA

LAUNCH SITE

25X1

FIGURE 1

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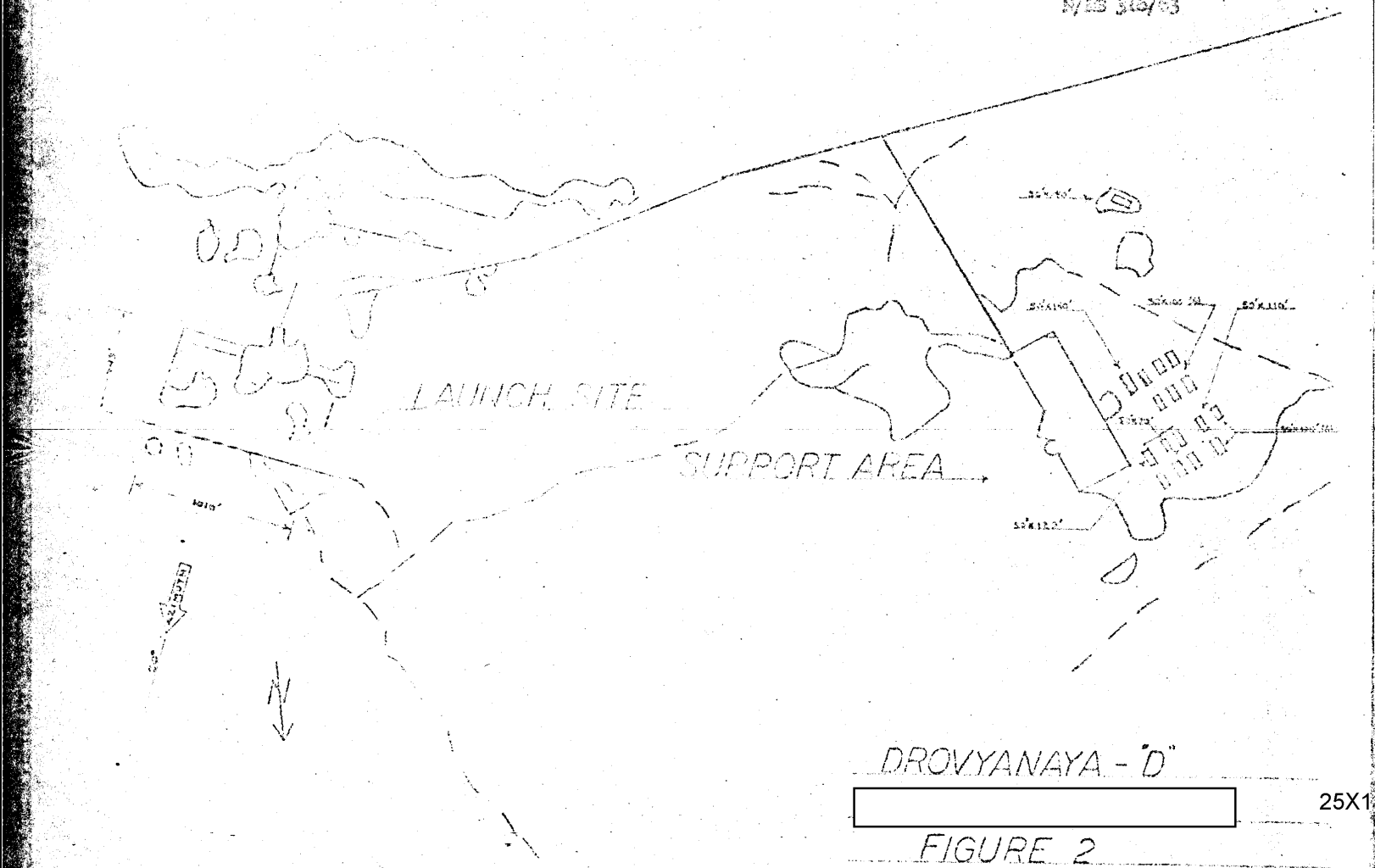


FIGURE 2

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SUPPORT AREA

LAUNCH SITE

KOSTROMA - F"

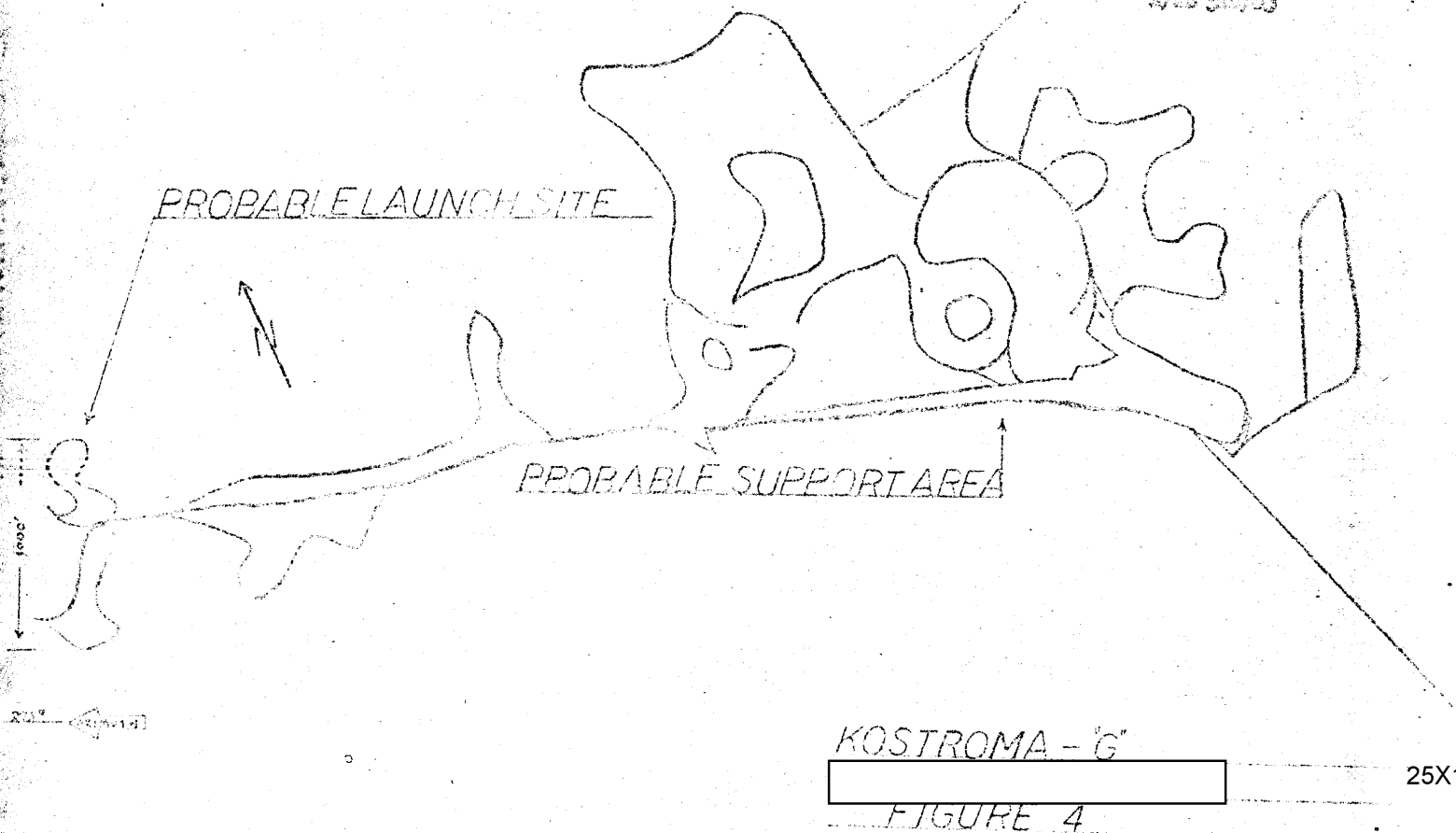
FIGURE 3

25X1

Attachment to:

[Redacted]

25X1



BARLE LAUNCH SITE

PRIME E
SUPPORT AREA

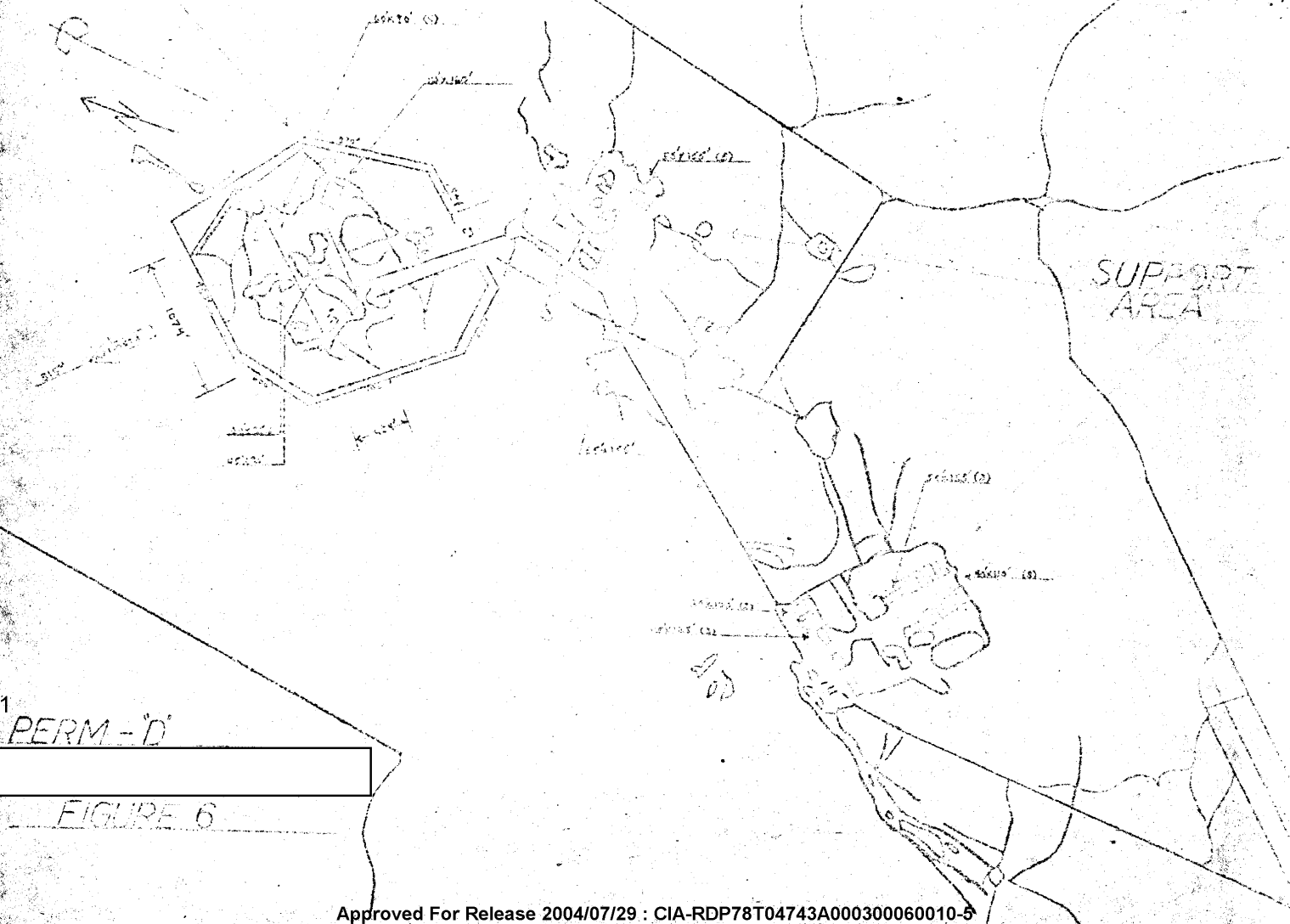
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NOVOSIBIRSK - D

FIGURE 5

LAUNCH SITE

SUPPORT AREA



X1
PERM - D

FIGURE 6

Attachment to:

[Redacted]

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LAUNCH SITE

SUPPORT AREA

25X1

[Redacted]

PERM E

[Redacted]

FIGURE 7

SVOBODNYY - D'

FIGURE 8

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LAUNCH 25X1

SUPPORT AREA

2X1
2X1



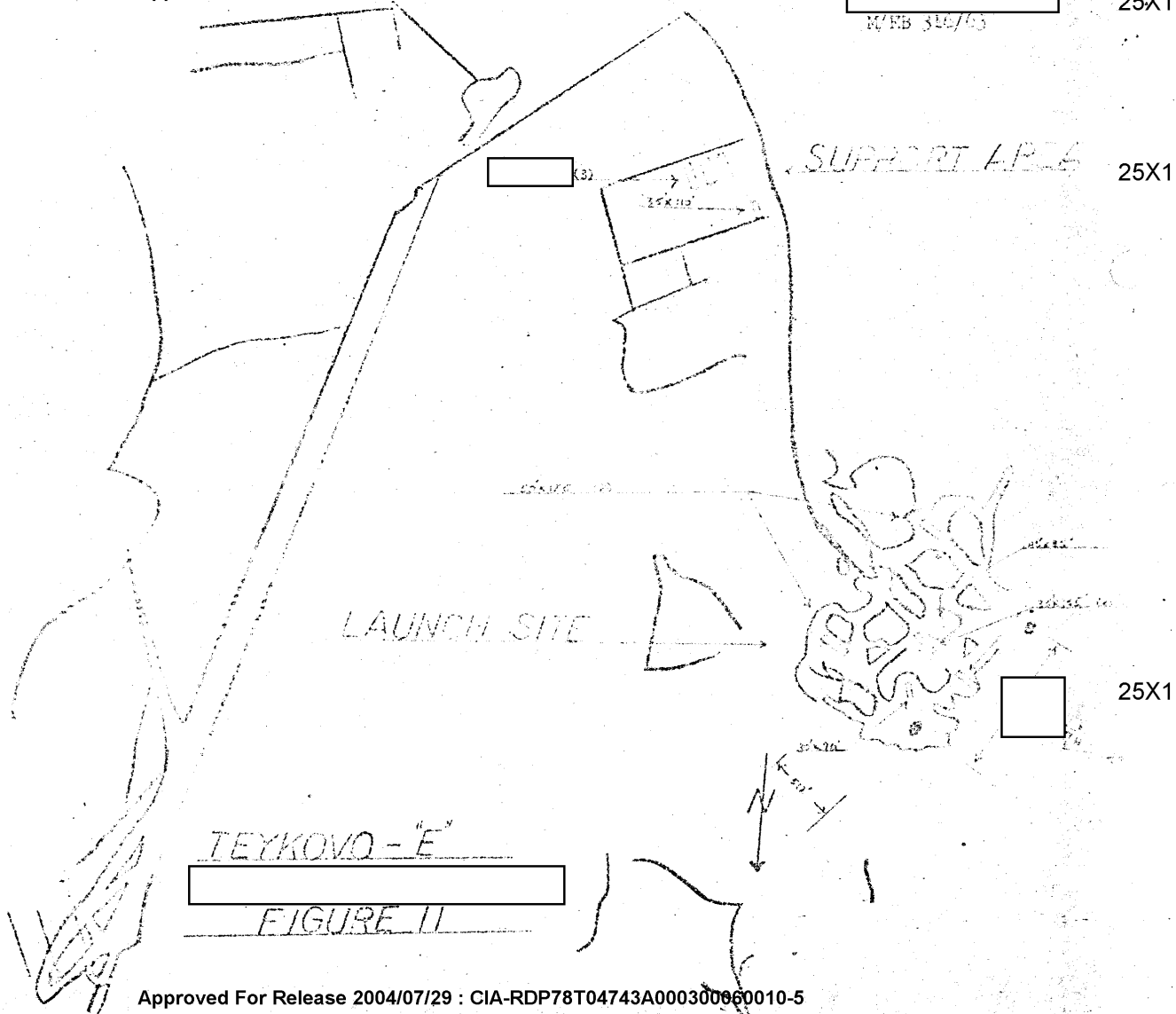
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PROBABLE LAUNCH SITE

PROBABLE SUPPORT AREA

TEYKOVO - D

FIGURE 10



LAUNCH SITE

25X1

350°
1000'

25X1

25X1



SUPPORT AREA

VERKHNAYA SALDA-H

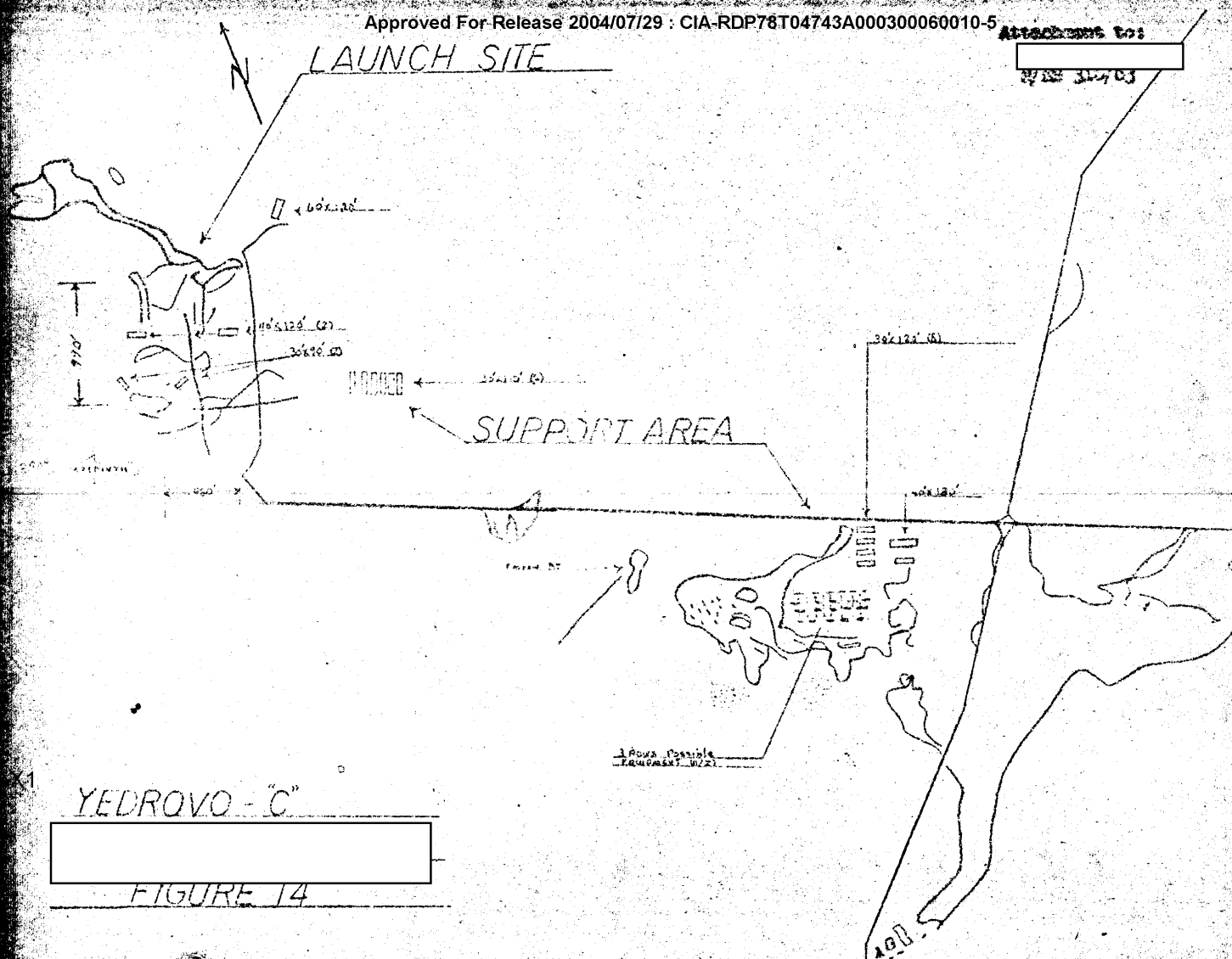
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FIGURE 12

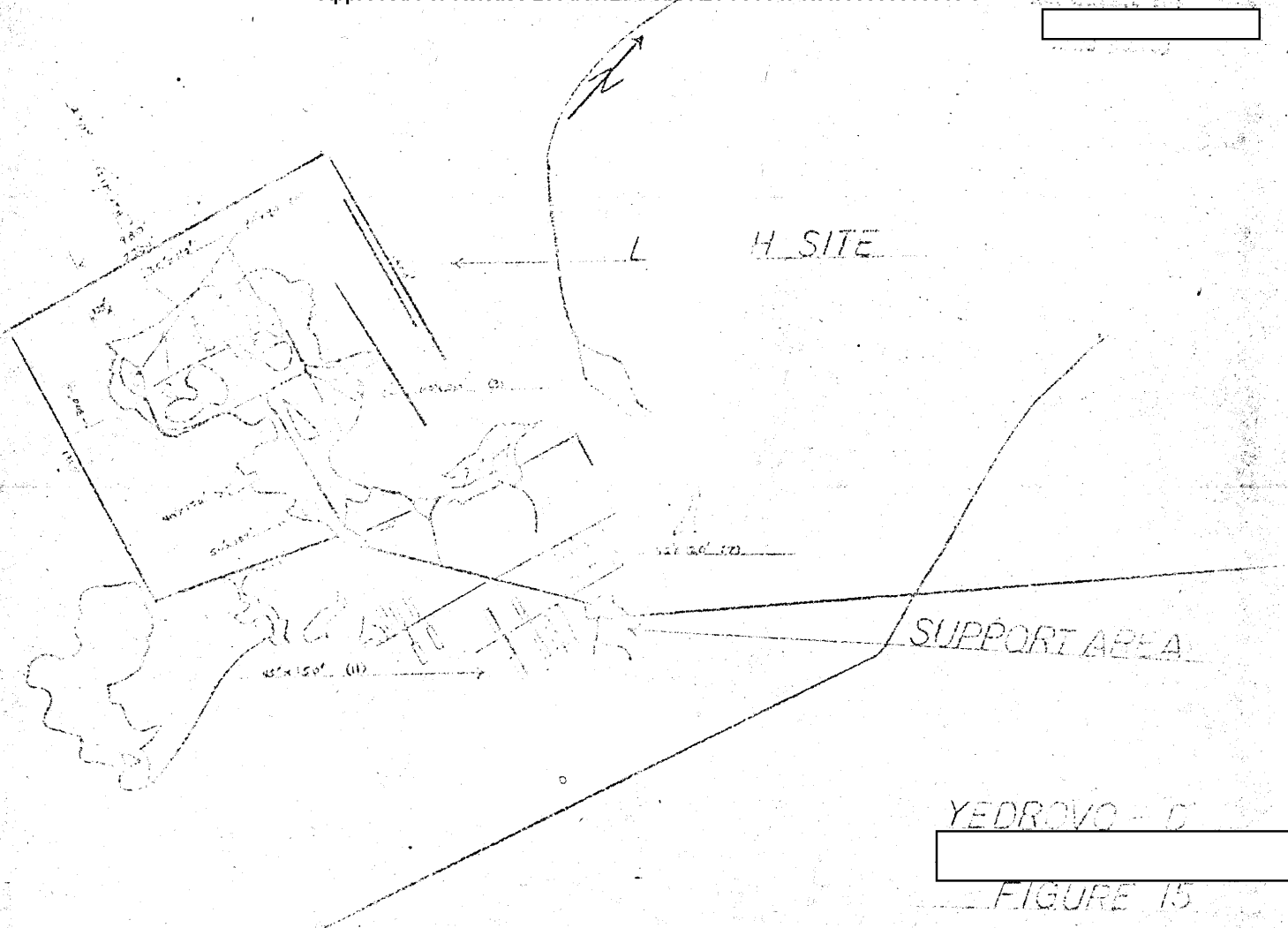
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YEDROVO - D

FIGURE 15

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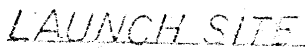
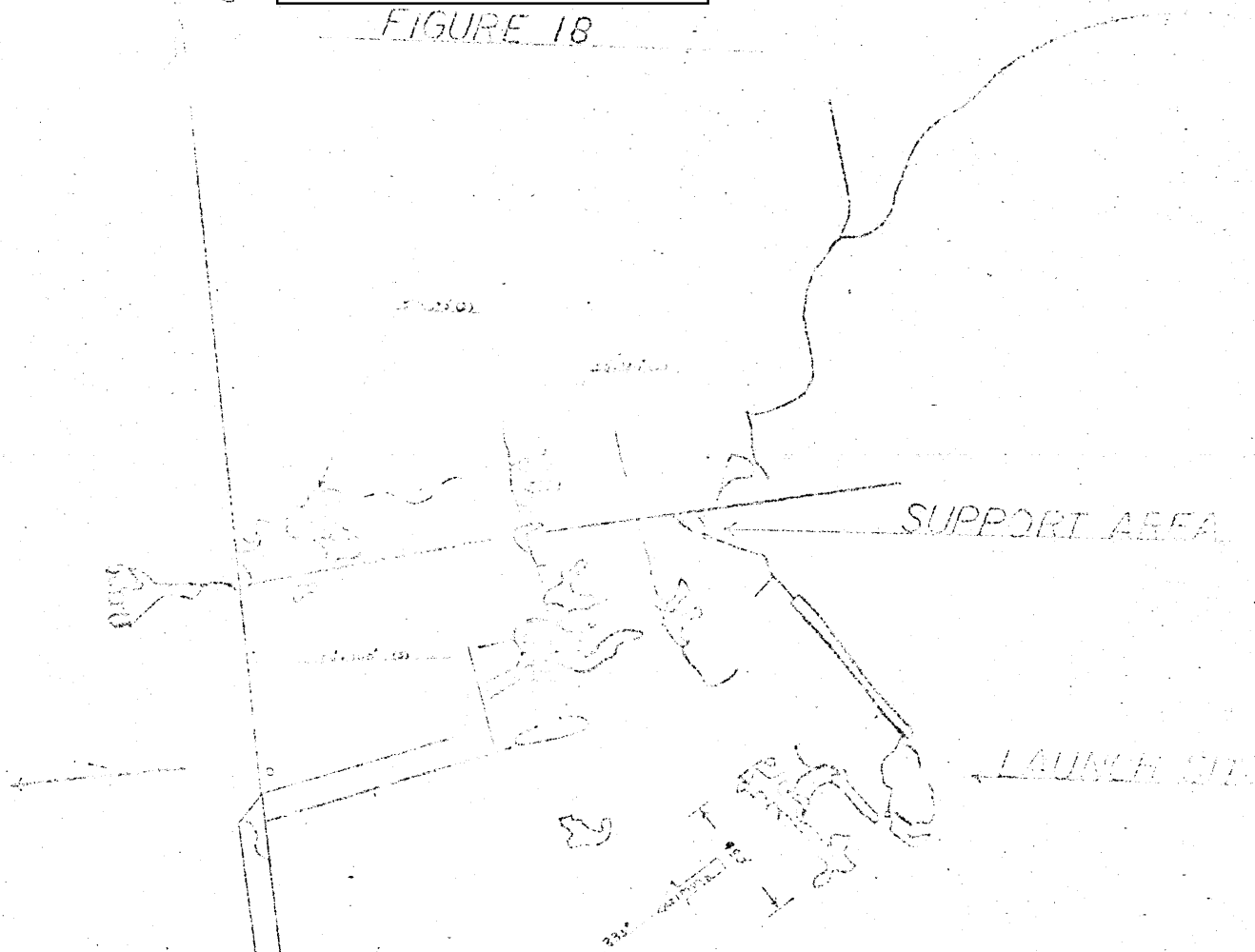


FIGURE 18



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YURYA Jⁿ

FIGURE 22

PROBABLE LAUNCH
SITE

PROBABLE SUPPORT AREA

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